



Australian Government

Assessment Requirements for AURHTB003 Overhaul hydraulic and air over hydraulic braking system components

Release: 1

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Modification History

Release	Comment
Release 1	New unit of competency.

Performance Evidence

Before competency can be determined, individuals must demonstrate they can perform the following according to the standards defined in this unit's elements, performance criteria, range of conditions and foundation skills:

- overhaul the following hydraulic and air over hydraulic braking system components:
 - two different wheel end disc and drum brake components
 - two different hydraulic system components
 - two different air system components.

Knowledge Evidence

Individuals must be able to demonstrate knowledge of:

- workplace health and safety (WHS) and occupational health and safety (OHS) requirements relating to overhauling hydraulic and air over hydraulic braking system components, including procedures for:
 - operating specialised braking system component overhaul tools, equipment and machinery
 - using chemicals and toxic substances
 - operating manual and mechanical lifting equipment
 - working with stored energy
- environmental requirements, including procedures for trapping, storing and disposing of oils and fluids released from braking systems
- types, characteristics and operating principles of hydraulic and air over hydraulic braking systems and associated components, including:
 - disc and drum wheel end systems
 - hydraulic systems
 - air systems

- braking system overhaul procedures, including:
 - methods for cleaning and preparing braking system components for overhaul
 - braking system component dismantling procedures
 - braking system component inspection, measuring and evaluation procedures, including methods for measuring and calculating tolerances and clearances
 - braking system component repair and adjustment procedures, including:
 - brake actuators
 - air compressors
 - air storage and valves
 - disc and drum wheel end components
 - slack adjusters
 - master cylinder
 - brake booster
 - component assembly procedures, including procedures for measuring and calculating tolerances, and adjusting components
- post-overhaul testing procedures for braking system components.

Assessment Conditions

Assessors must satisfy NVR/AQTF assessor requirements.

Competency is to be assessed in the workplace or a simulated environment that accurately reflects performance in a real workplace setting.

Assessment must include direct observation of tasks.

Where assessment of competency includes third-party evidence, individuals must provide evidence that links them to the hydraulic and air over hydraulic braking system components that they have worked on, e.g. repair orders.

Assessors must verify performance evidence through questioning on skills and knowledge to ensure correct interpretation and application.

The following resources must be made available:

- automotive repair workplace or simulated workplace
- workplace instructions
- manufacturer hydraulic and air over hydraulic braking system component specifications
- heavy vehicle braking system components specified in the performance evidence and requiring overhaul
- tools, equipment and materials appropriate for overhauling and adjusting hydraulic and air over hydraulic braking system components.

Links

Companion Volume implementation guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=b4278d82-d487-4070-a8c4-78045ec695b1>

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